

An extension of the Krein-Smulian and Lozanovskii theorems to metrizable spaces with a cone

Veselova L., Tikhonov O.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The Krein-Smulian theorem that a closed generating cone in a Banach space is nonflattened and a theorem of Lozanovskii about the automatic continuity of linear positive operators are generalized to completely metrizable topological vector spaces. © 2011 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1995080211040299>

Keywords

cone, Krein-Smulian theorem, metrizable topological vector space, positive linear operator